Training

Documentation

&

Management of

end-to-end

experiment

workflow for

Reproducible

Research Reproducibility **Practices**

- Scientific Data Management
- Best Practices
- FAIR Data Principles
- Open Science

Reuse

Data Science Practices

• Experimental Design

Collect

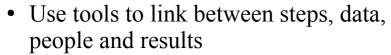
Describe

- Data Preprocessing
- Data Analysis
- Data Quality
- Statistics

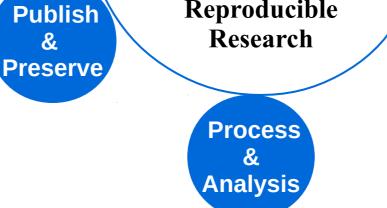
- Documentation of the instruction and directions to use the data, methods, and code
- Licensing

- Plan • Use of data management platforms during the whole research lifecycle Storage and backup

 - Use of Collaboration tools



- Citation of datasets, software, and results
- Long-term data preservation
- Use of public repositories
- Use of persistent identifiers like ORCIDs, DOIs



- Usage and adoption of metadata standards
- Use of consistent vocabularies and ontologies for interoperability

- Use of reproducibility tools
- Use of versioning systems
- Documentation of negative trials and results of an experiment
- Documentation of the provenance of results